Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/22/2020 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125434	0	3.51	125678	3.53
Blue	F	SSC	125000	124345	-1	1.77	125011	1.73
Blue	E	FITC	15892	15416	-3	2.96	337	21.80
Blue	D	PE	29999	29544	-2	2.09	643	16.00
Blue	B	PerCP-Cy5-5	43732	43525	-1	3.81	1167	21.77
Blue	A	PE-Cy7	30845	30975	0	6.49	587	43.94
Red	C	APC	46112	45369	-2	2.47	1603	12.22
Red	A	APC-Cy7	30458	29495	-4	2.37	783	12.17
Violet	B	V450	7918	7593	-5	4.21	438	13.97
Violet	A	V500	32171	31555	-2	4.06	741	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16679	18.75	656	35	N/A	N/A	Pass
Blue	F	SSC	57286	1.30	586	27	N/A	N/A	Pass
Blue	E	FITC	61	66.46	554	11	0.0160	88	Pass
Blue	D	PE	134	53.06	561	13	0.1308	243	Pass
Blue	B	PerCP-Cy5-5	216	54.27	669	13	0.0080	93	Pass
Blue	A	PE-Cy7	107	111.20	715	17	0.0095	20	Pass
Red	C	APC	383	25.32	590	6	0.0239	134	Pass
Red	A	APC-Cy7	172	29.65	560	4	0.0054	1149	Pass
Violet	B	V450	67	64.17	463	5	0.0432	2243	Pass
Violet	A	V500	111	37.40	479	5	0.0220	1292	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.22	-32.05	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.08	13.60 - 20.40	N/A	N/A	28.82	29.81	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10049

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments